PDR RID Report

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Section Initial Scheduling **Page** GS-9, DH-16 **Figure Table**

Category Name Design **Actionee** HAIS
Sub Category
Subject ASTER Resource Model

Description of Problem or Suggestion:

We understand that Resource Model is a function which produces power consumption, heat generation, science data volume, etc. for a given operation.
And, we can't find the development share of (who will develop) the ASTER Resource Model in the FOS PDR documents.
The development share shall be clarified.
Our understanding is as follows.
ASTER Resource Model will be primarily prepared by ASTER GDS. And then it will be provided to EOC and it should be incorporated in EOC scheduling Resource Model.

Originator's Recommendation

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring **HAIS Schedule** 2/17/95
HAIS R. E. B. Moore **HAIS Response Date** 1/31/95

The Resource Model presented at PDR will include the level of ASTER modeling necessary for checking constraints at the spacecraft level and for providing global visibility into the mission schedule. ASTER constraints that impact the spacecraft include:
power modeling (all instruments draw power from the same subsystem)
data volume modeling (impacts selection of TDRSS contacts for data playback)
Additional constraint modeling may be added once further details become known (e.g. jitter, thermal). The EOC is not responsible for checking ASTER instrument-level health and safety constraints; therefore, the Resource Model does not include any constraint modeling at the ASTER instrument level (e.g. valid mode sequencing). The separation of modeling responsibilities is currently being established in the ASTER IFOU and the ICD between the EOC and ASTER ICC.

Status **Closed** **Date Closed** **2/24/95** **Sponsor** **Johns**

****** **Attachment if any** ******